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1955

## The Utah Juniper, Volume 26

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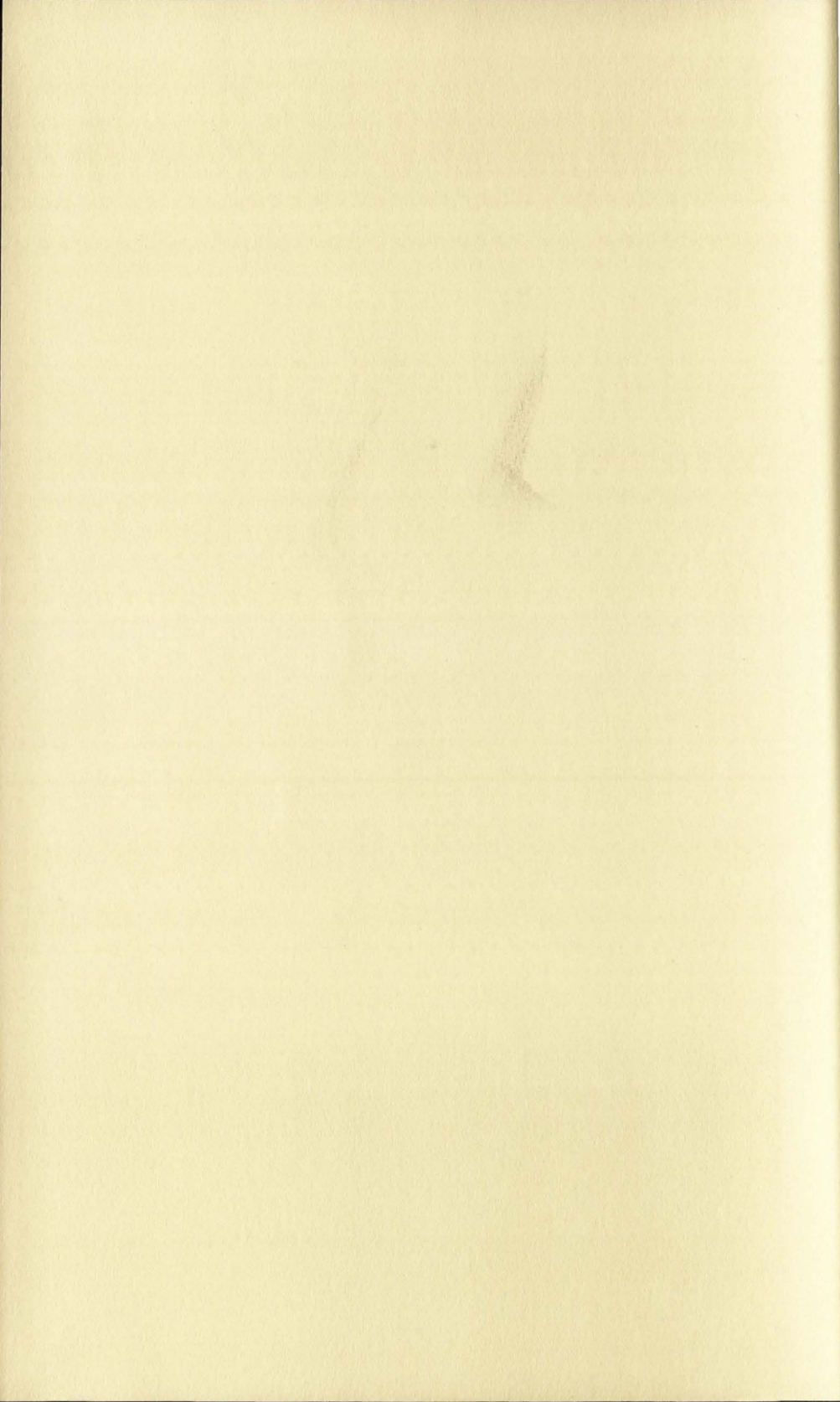




# 1955 JUNIPER

*the story of the school of Forest,  
Range and Wildlife Management*





The year  
1954-5 has  
been an out-  
standing year.

It is the hope  
of the Juniper  
staff that this  
year's Juniper will  
help keep the year  
fresh in the minds  
of present students  
--- and perhaps  
share our en-  
thusiasm with  
the alumni.

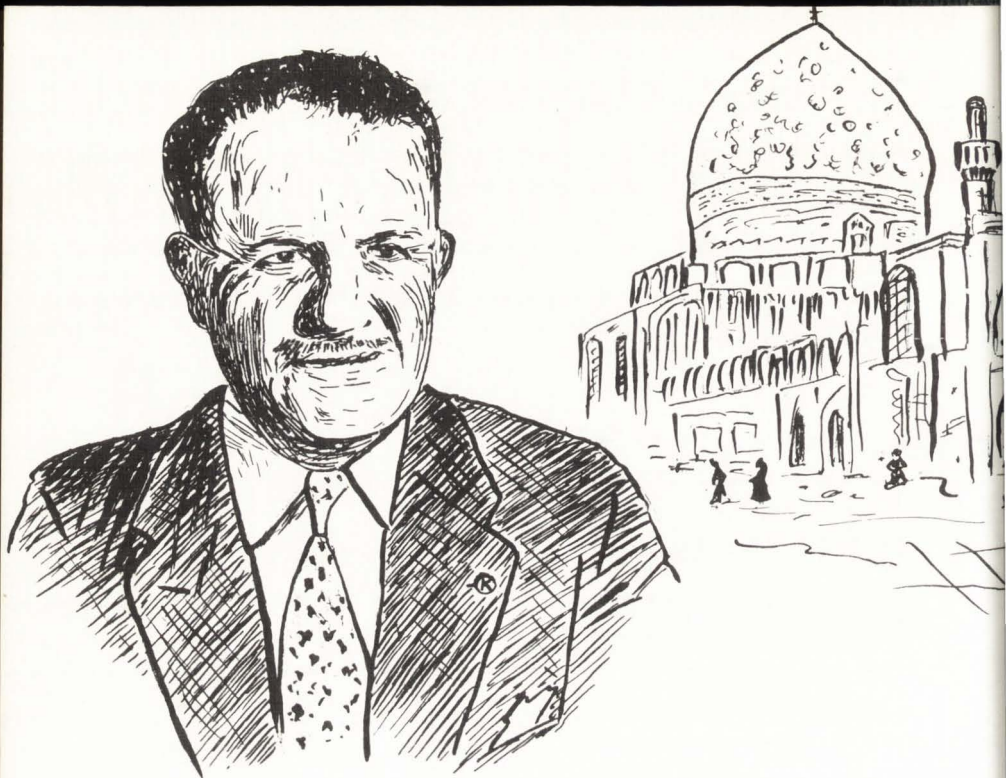
# The UTAH JUNIPER

Published

Annually

By

THE UTAH FORESTERS



## FROM THE DEAN'S DESK

It appears that the predicted upturn in enrollment has arrived. The number of our students exceeded 200 this year, and indications are that it will exceed this number next fall. We have the greatest number of graduate students in the history of the school.

The staff has been particularly pleased with the interest and activity in the Forestry Club.

Employment apparently was never better both as regards permanent and temporary jobs in all three fields. This is the 5th year of favorable employment, but this seems to be the best one.

The only change in the staff is the appointment of Mrs. Hubert S. Smith as librarian, who is doing a fine job for us and is highly acceptable as a new member of the staff. I was gone in the fall and early winter to Iran on a Point IV appointment to establish a new national Forestry School. Whitney Floyd will go for five months to carry on this project beginning the 18th of April. Prof. Art Smith will be Acting State Forest and Fire Ward and Dr. Ted Daniel will be Acting Head of the Forest



agement Department. Dr. Kelker will go to the University of British Columbia for six months sabbatical leave to work on a book. Norma Beckstrand, formerly a range management secretary, will take over the head office job. We were very much pleased to have Elizabeth Nuhn with us during the last year and fortunate for us she has consented to be with us halftime. She will be handling most of the Alumni correspondence, in which field she has become expert.

This year Dr. Al Stokes got the national first prize for the best game paper of the year given by the Wildlife Society. This was his dissertation on the Pheasants of Pelee Island. Dr. Bill Sigler was elected President of the Logan Wildlife Federation. Prof. Ross Tocher is the new Director of Student Personnel in the Forestry School. Roy Moore has the sawmill set up at the camp, and construction, demonstration and research will be started this summer. Ray is still camp superintendent. Dr. Larry Stoddart and Art Smith have just finished a completed revision of their text book on range management; this book continues to be the most widely used of all range management texts. Drs. Cook, Stoddart, and Lorin Harris recently published an experiment station bulletin on the Nutritive Content of Range Plants in the Great Basin. Doubtless, this will turn out to be an outstanding pioneering job and will be a landmark in this field for many years. The Wildlife Management Department is sponsoring a wildlife symposium at the Utah Academy of Science this spring; this is the first in Utah. The Range Management Department is sponsoring a short course in poisonous plants, and this is also a significant first. Grant Harris is in increasing demand for range and forest extension work; during his last year he conducted several TV performances which attracted much attention. Dr. Jim Mielke is still grinding out high grade forest pathology journal articles. Al Pease's Fisheries Research Unit is as active as ever, and the program of Jess Low's Cooperative Wildlife Research Unit was never better.

No, we don't get a new building this time. How about getting a little plugging for us?

*Leona M. Turner*



## *Campus and*



NORMA BECKSTRAND  
Main Office Secretary

ELIZABETH NUHN  
Main Office  
Secretary



JULIA CAMPBELL  
Range Mgt.  
Specialist  
& Extenti  
Foreste  
Secreta



MARGARET NAEGLER  
Forest Mgt.  
Dept. & State Forester  
Secretary





## Forestry Building



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Custodian



LOLA FRANKS



PAT MARTIN  
Wildlife Secretaries

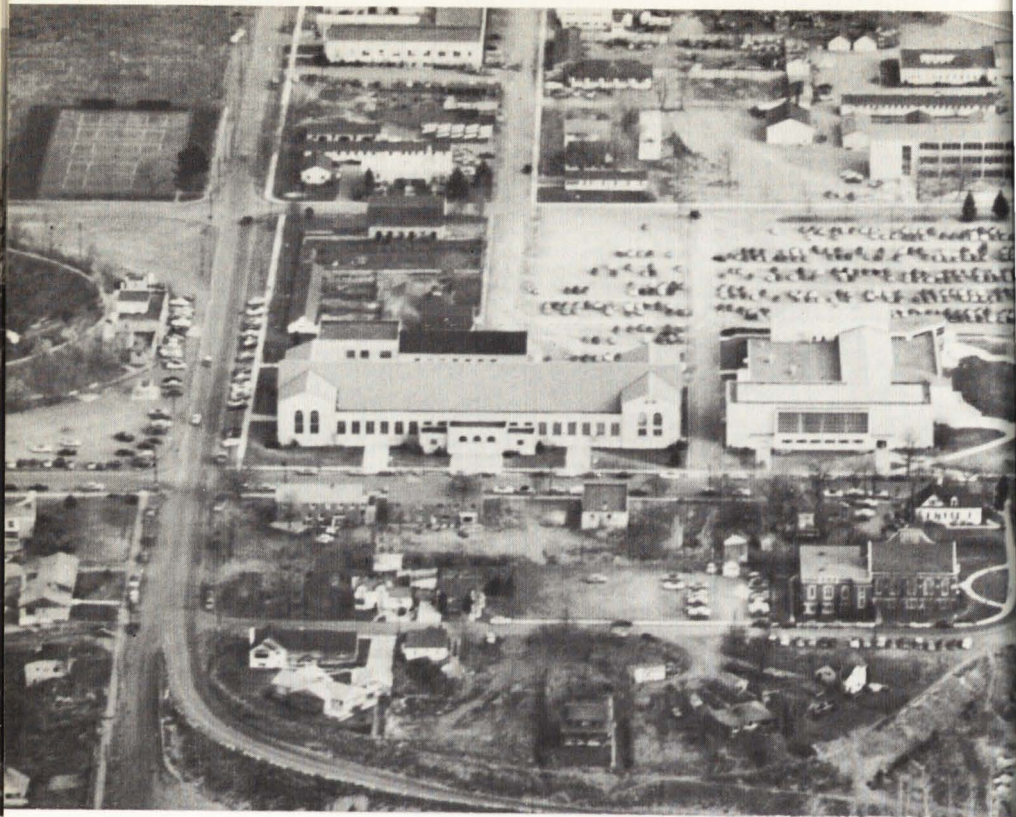


N CHRISTENSEN Range Management Secretary  
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MARY LOU TOLMAN Fisheries Investigations Secretary



ANN SMITH  
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*Air*

*Photo*

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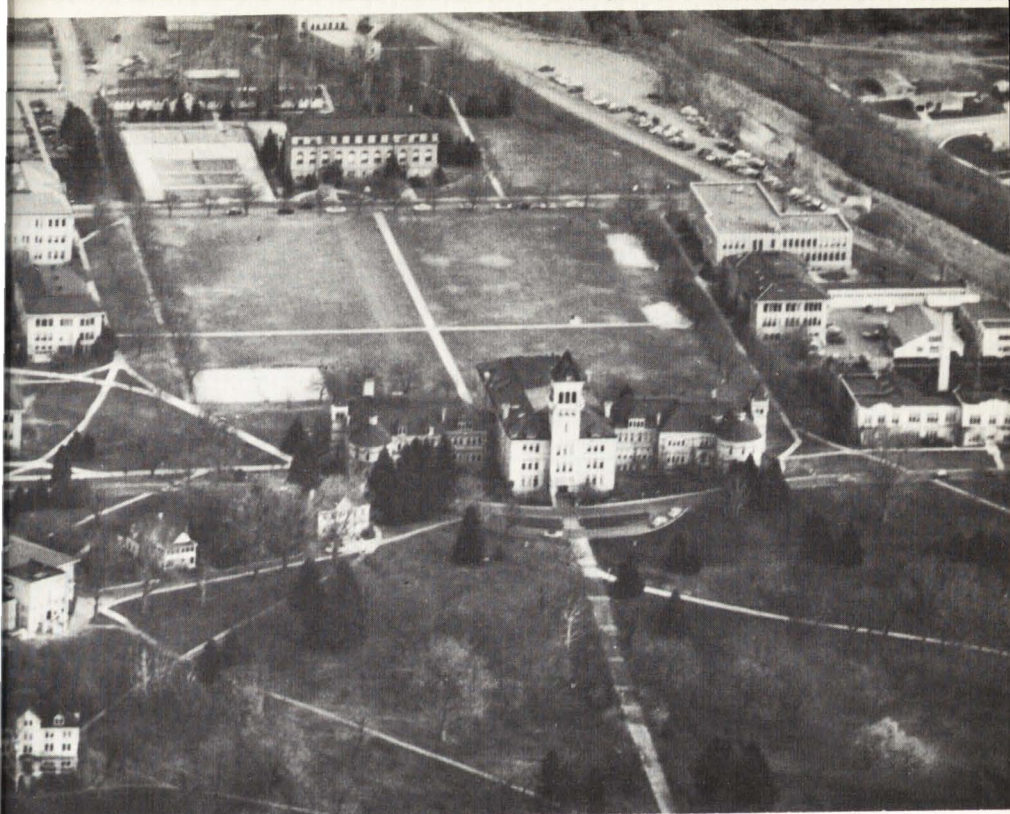


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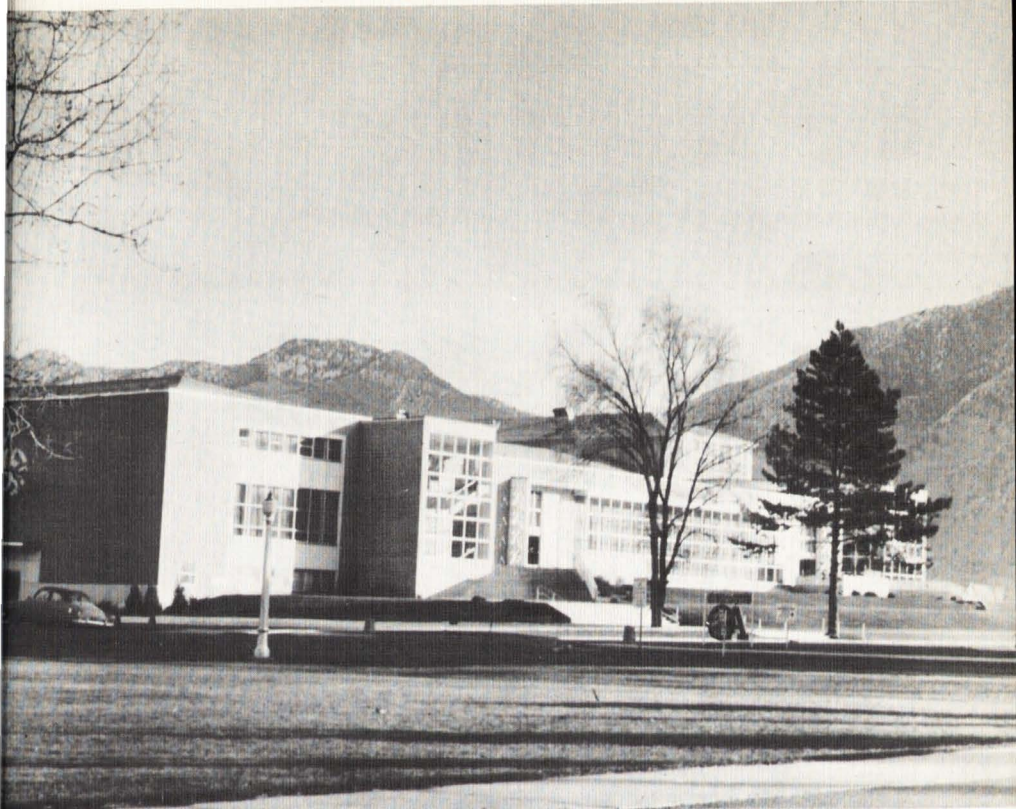
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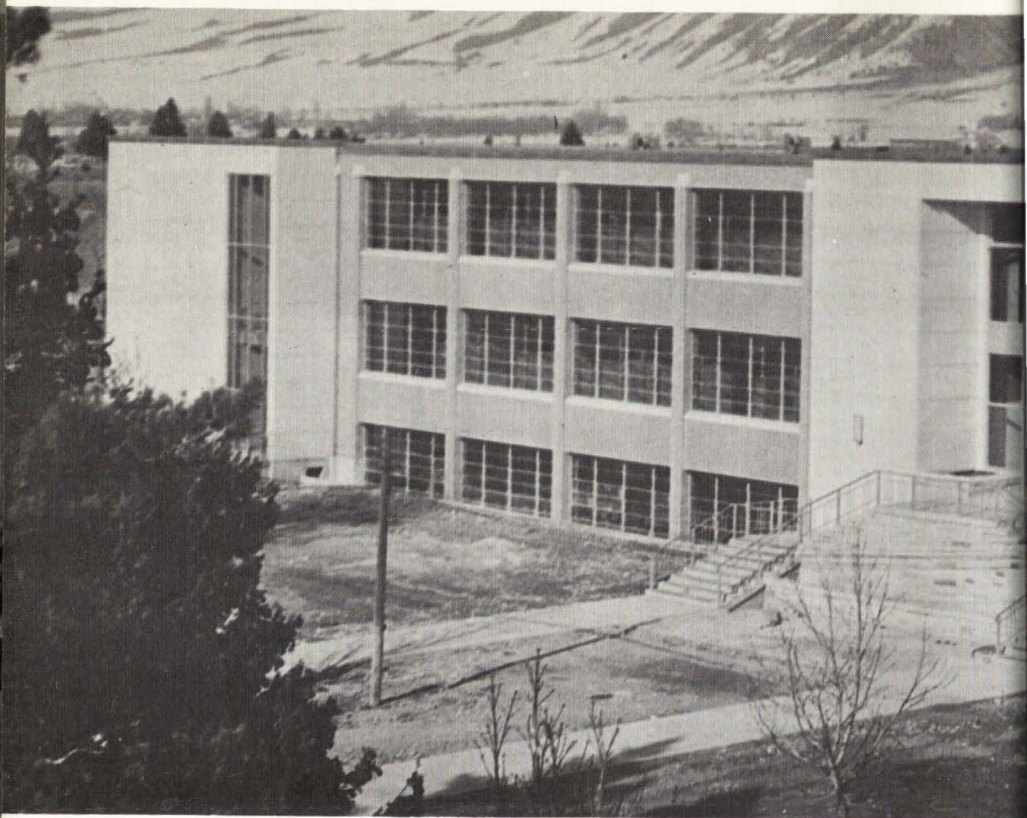


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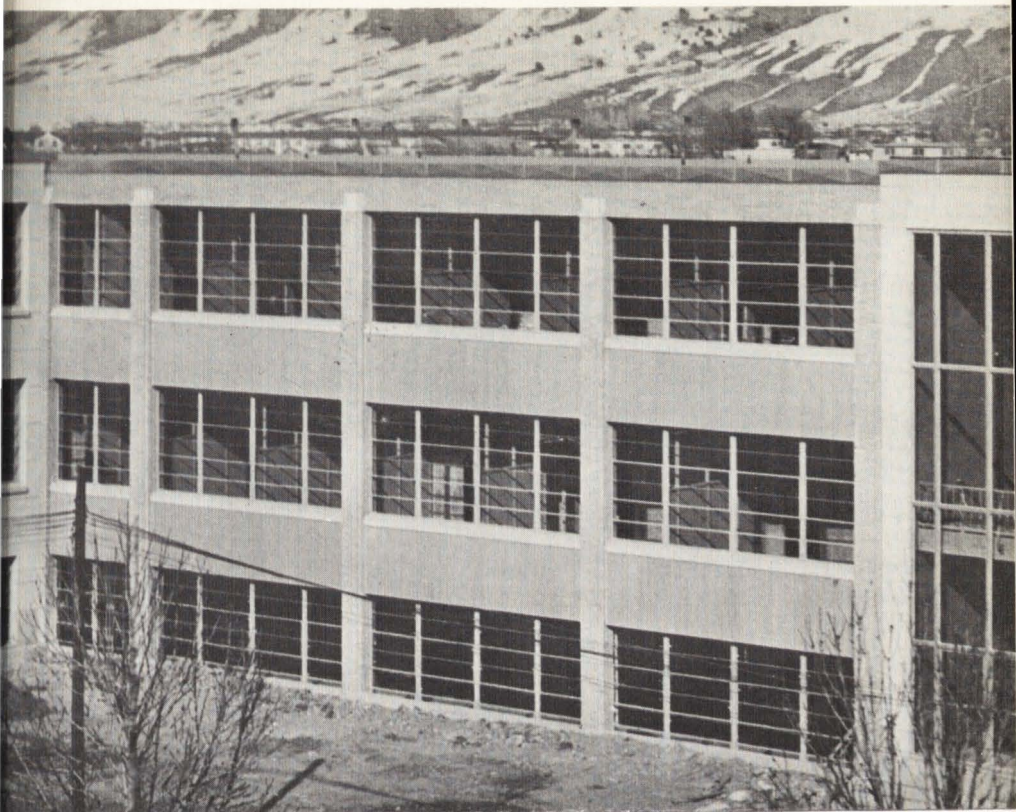
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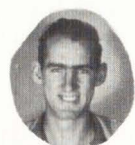
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# AGATHON 1955



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 ring tailed cats ...  
 clay's muskrat ...  
 The two deer ...  
 a pond of ducks ...  
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 It all added up to .....



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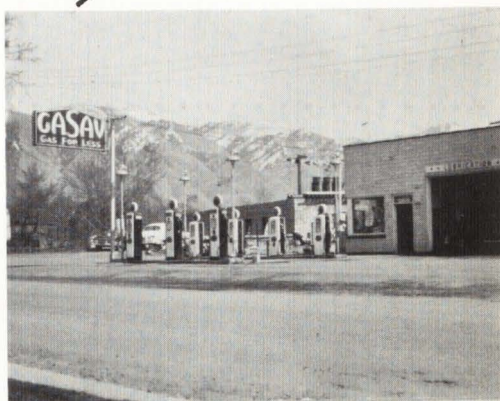






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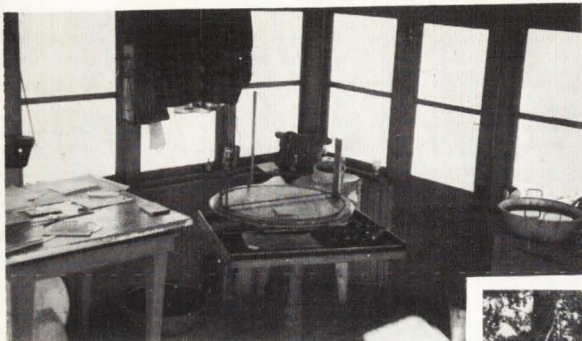
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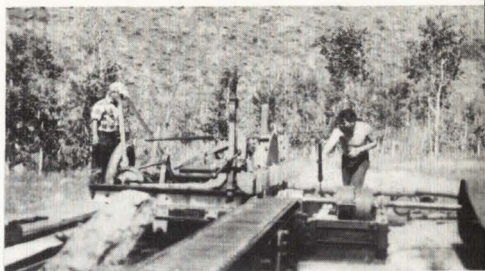


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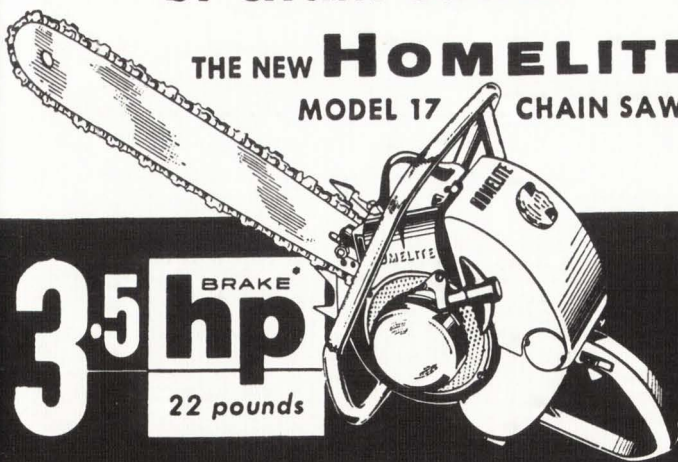
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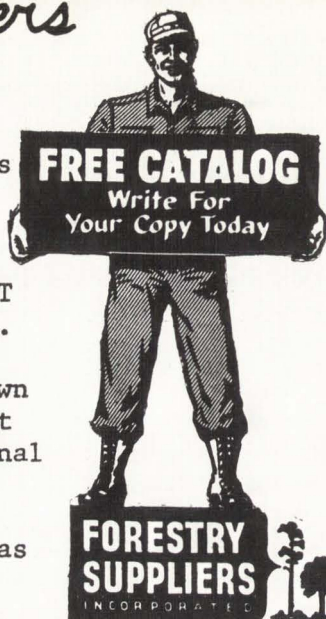
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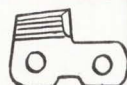
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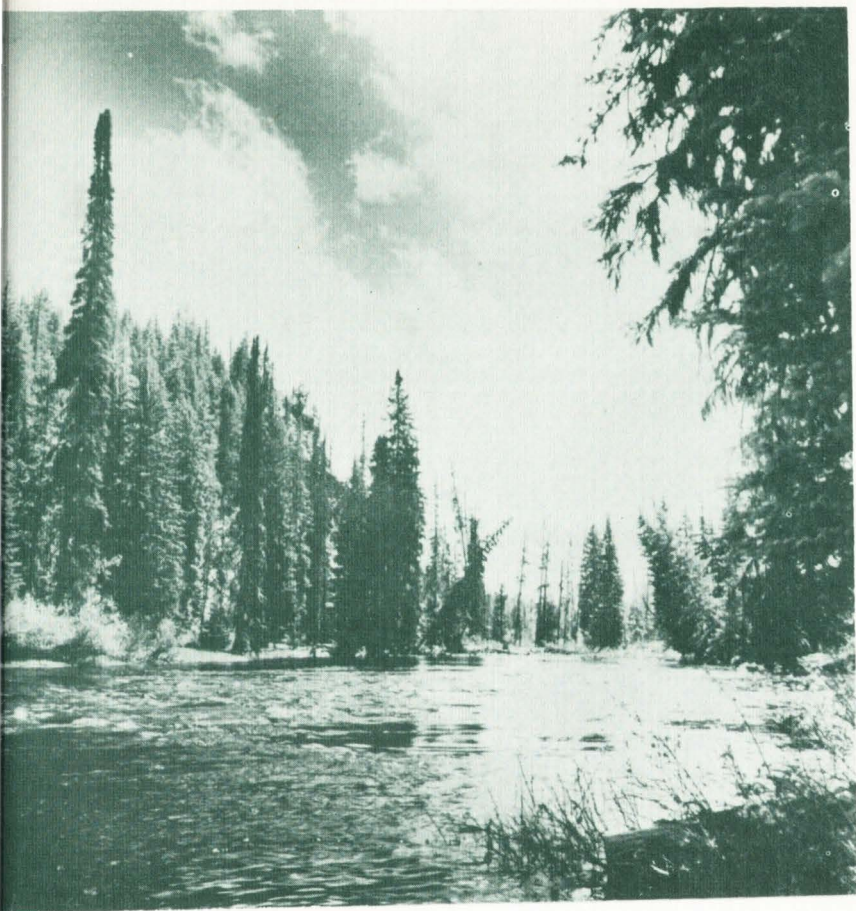


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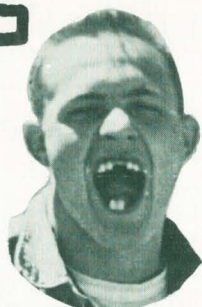
# FOREST MANAGEMENT...

# FORESTRY STUDENTS



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Objective - Research



*Dung Ho! alias  
Dr. Livingston*



WALTER BRAFFORD  
Corbin, Kentucky

Smokejumper



*She was  
voted most likely  
to reseed.*



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Connecticut

A lumberjack



*Don't laugh Yankee*



*When I was here before*

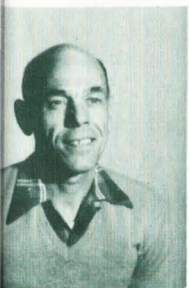




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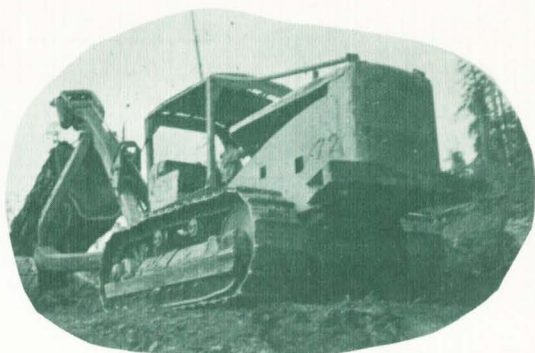


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al lover



*"What do you have to do to graduate?"*



*Possum nose and his possum  
stalker.*



*I passed. Did you flunk?*



LARRY "PIP" TAYLOR  
Durango, Colo.

Log pond swimmer



BEN VAITKUS  
Hartford, Conn.

Variety of schools

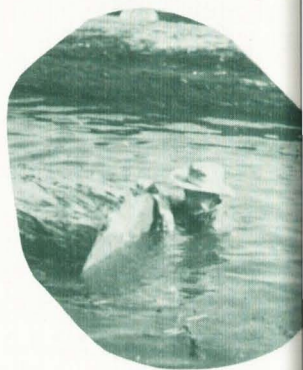


RON WARDLEIGH  
Ogden, Utah

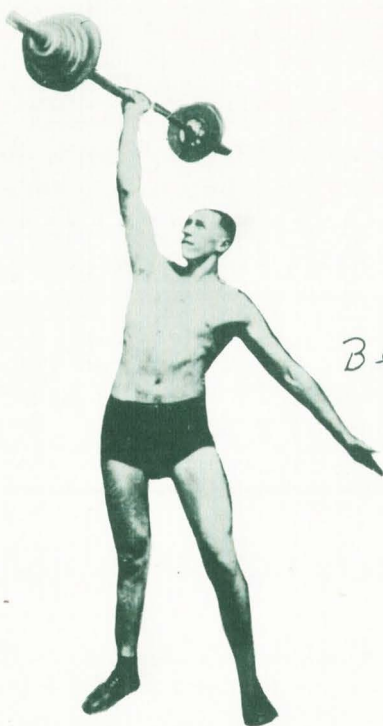
A game stalker



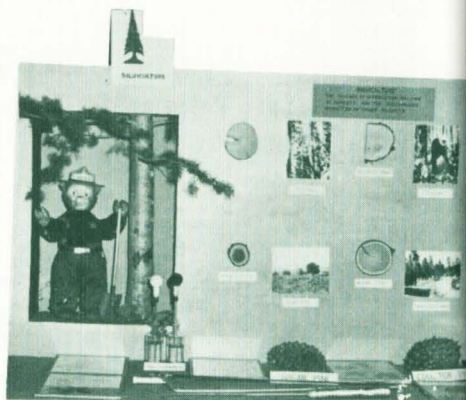
*Whose this guy*



*Ben on board the  
U.S.S. Canopus.  
1939*



*Ron's  
Contribution  
to Agathon.*







K WHEELER  
California

ureau Land Mngt.



*"How about a P.E. course?"*



LACE "WALLY" WATTS  
nston, Wyoming

ure is Forest Service



*There's nothing nicer  
than a secretary.*



ALD "JERRY" WILLIAMS  
vis, New Mexico

typical cowboy



*"The man who  
eats live cigarettes".*





## *View from School Forest*



Look First To

**SMITH BROS. LUMBER Co.**

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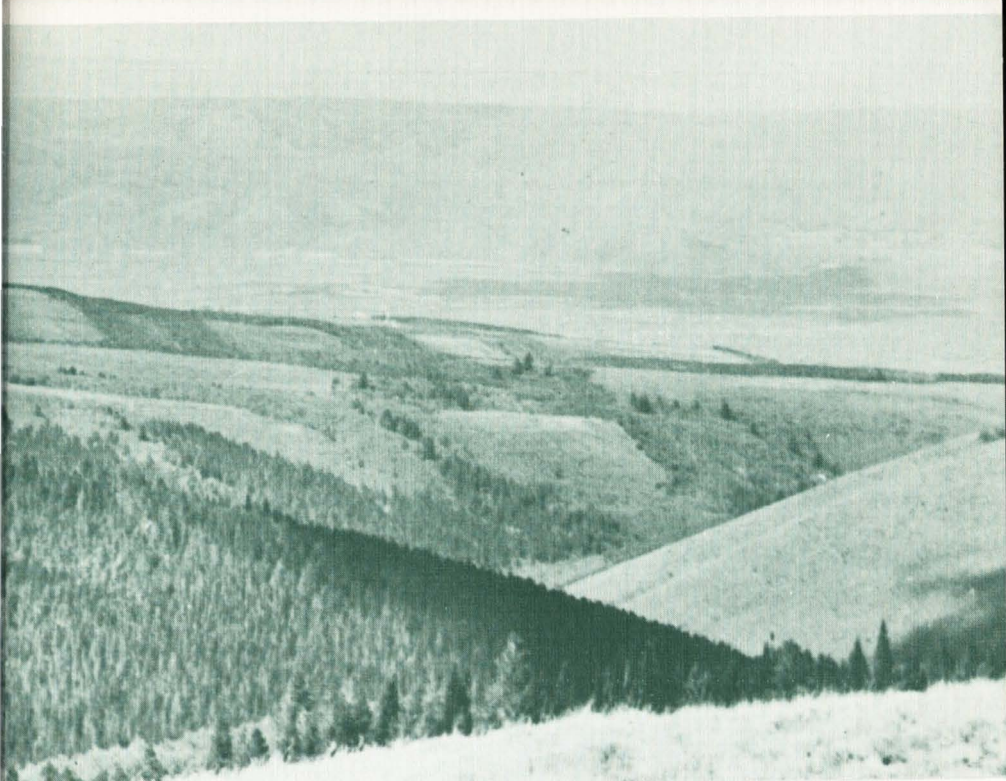
**SEARS ROEBUCK &**

261 North Main

ALLSTATE for your Automobi  
and Fire Insurance Needs







U.S. FOREST SERVICE PHOTO

*towards Bear Lake Valley*

## NIEDERHAUSER LUMBER

790 South Main

Phone 697-W

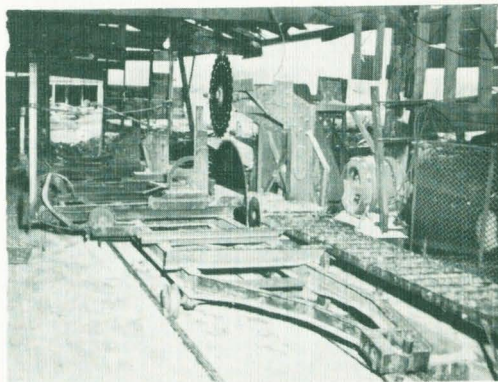
McCulloch Dealer



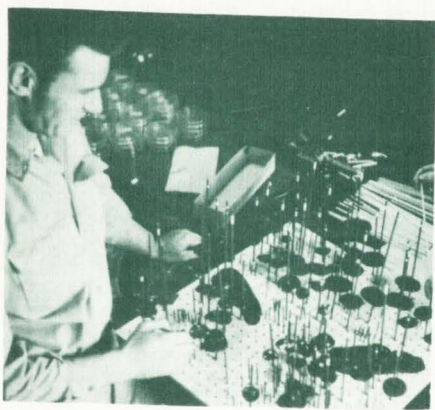
**TREE SURGERY  
SUPPLIES**

TRADE MARK  
REGISTERED

**BARTLETT MFG. CO.**  
3003 E GRAND BLVD.  
DETROIT, MICH.



# *Classroom scenes ....*



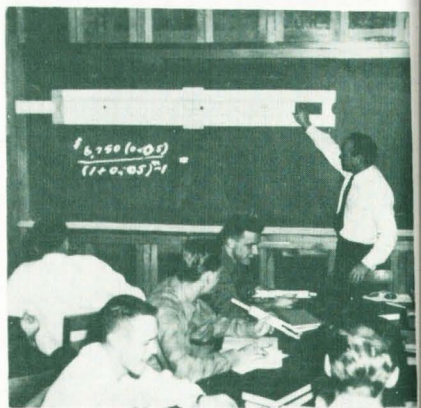
*Silviculture*



*Dendrology*



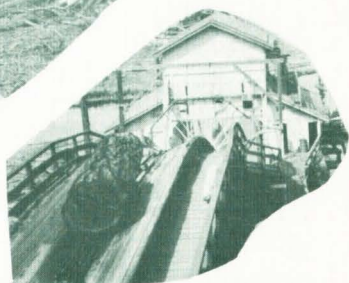
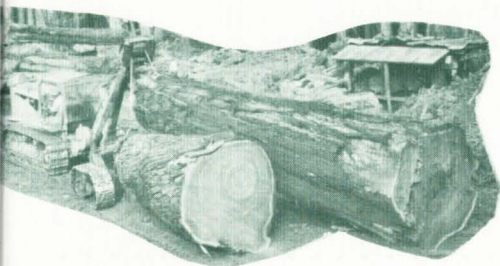
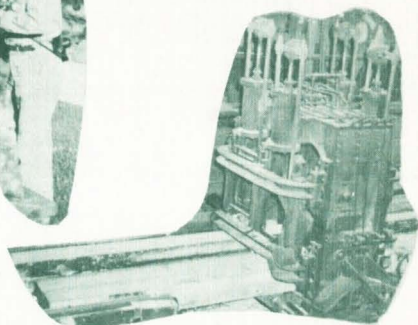
*Aerial Photo  
Interpretation*



*Forest Mensuration*



# Junior Field Trip— 1954



---

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or

The Utah Extension Service

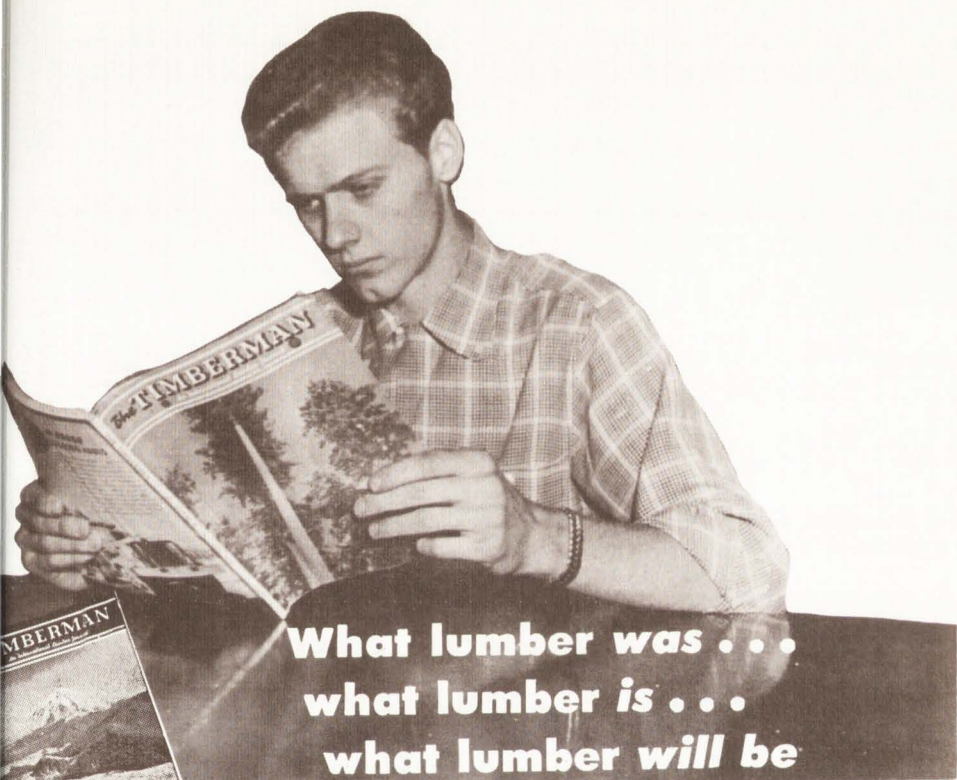
UTAH STATE AGRICULTURAL COLLEGE

LOGAN, UTAH

---

*Part time work at Forest Nursery*





**What lumber was . . .  
what lumber is . . .  
what lumber will be**

**the  
continuing  
story**

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in building a better future**

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EDGAR P. HOENER  
publisher

*. . . an international lumber journal,  
faithfully serving its field since 1899*

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*News of the Trade*



## DEPARTMENT of RANGE

L. A. STODDART

Head of Department  
Plant Ecology  
Technical Problems in Range  
Range Seminar



ARTHUR D. SMITH

Watershed Management  
Range Economics  
Vegetation Influences  
Range Seminar  
Range Field Trip  
Associate Project Leader Federal  
Aid, Utah State Fish and Game







# MANAGEMENT



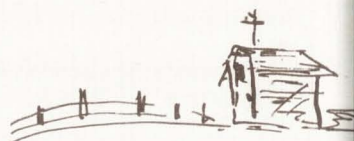
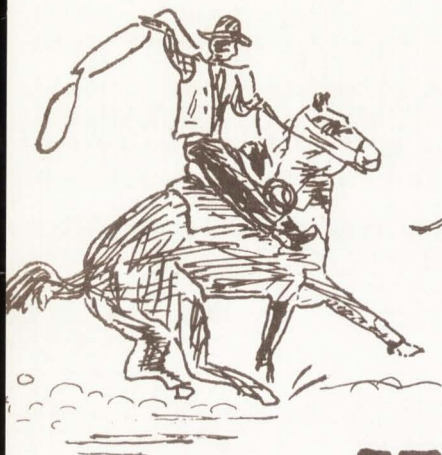
C. WAYNE COOK

Principles of Managing Range Land  
Range Nutrition  
Range Seminar  
Research Methods  
Associate Research Professor



GRANT A. HARRIS

Range Improvements  
Forbs and Browse  
Poisonous Plants  
Land Use Seminar  
Extension Range and Forest  
Specialist



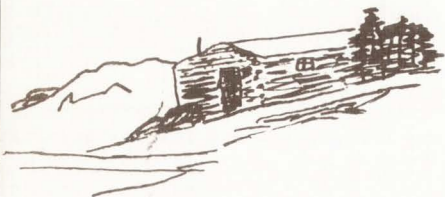
# RANGE STUDENTS



ROBERT BUFFINGTON

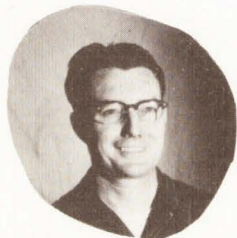
Colorado  
Xi Sigma Pi  
Vice President Forestry Club

*Bob's married and has two children*



Ten counties  
in Texas

Pitchfork brand



THOMAS HELLER

Florida  
Retired Navy band master

*Tom is a retired navy band master  
... is married and has two children*



FRANK JENSEN

Utah

*Transfer from Snow College*

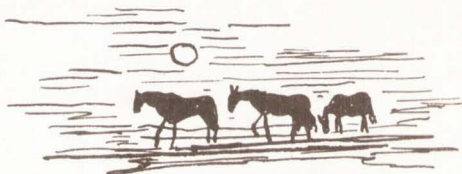


DAN McFADDAN

Idaho

Xi Sigma Pi

*baseball scholarship,  
married, one boy*



*"H lazy H" brand of  
Dan's dad's ranch*

RICHARD STOKES

Washington

*married, three children,  
interested in the Soil  
Conservation Service*



# RANGE STUDENTS



ARTHUR BRANDVIK

North Dakota  
Alumni Editor 1955 Juniper

*art's folk's brand*

*... employed by the B.L.M. at  
Malta, Montana*



JOHN HAFTERSON

Washington  
Xi Sigma Pi  
Square Dance Club

*the oldest brand  
in Oregon*

*... employed by the Forest Service  
at Flagstaff, Arizona*



EUGENE HOFFMAN

Wyoming  
Rodeo Club  
Sigma Alpha Epsilon



HR  
...ing Harford  
Ranch

33

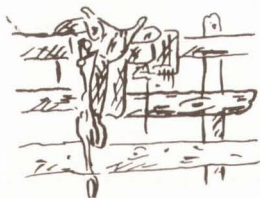
Gene's brand

... Gene is employed  
by the Forest Service  
at Flagstaff, Arizona

666

DAVID LODZINSKI

Wisconsin  
Xi Sigma Pi  
Newman Club



RONALD YOUNGER

Utah  
Xi Sigma Pi  
Range Editor Juniper 1955

... Employed by the B.L.M.  
at Vale, Oregon



Bar - Crescent  
Ron's dad's brand





*Logan*

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Phone 2296



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5th North and Main Phone





U.S. FOREST SERVICE Photo

*Canyon*



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Good Food"

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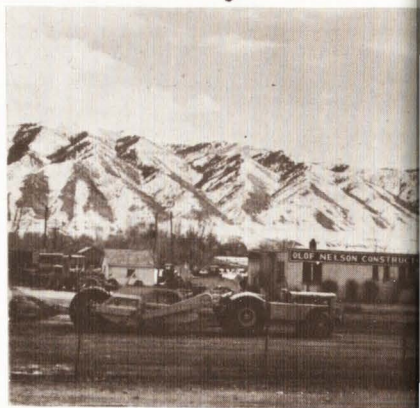


*Dry Lake area of*

**BULLEN FARM**  **TRACTOR**  
**EQUIPMENT Co.**

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Phone 666



Best Wishes

TO THE FORESTERS

**OLOF NELSON**  
**CONSTRUCTION**





*Sardine Canyon*

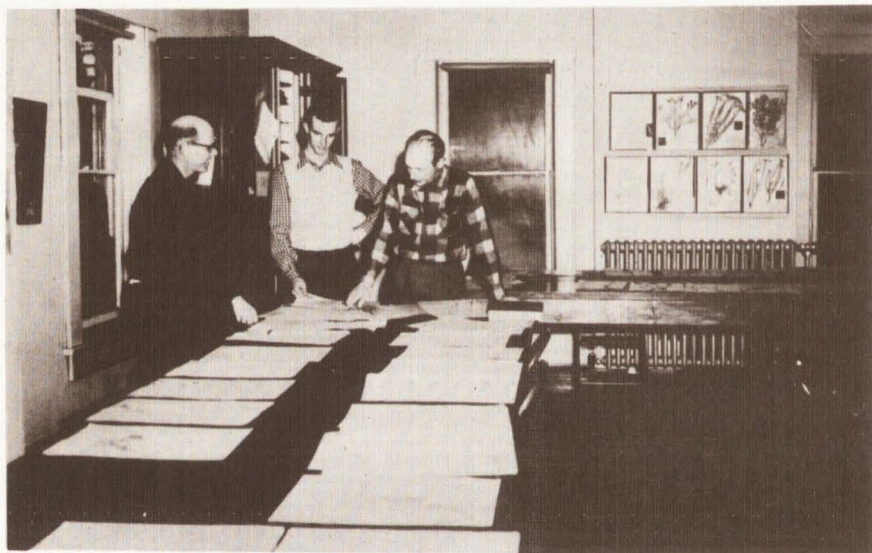
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...the  
route of  
the trip..

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Las Vegas, Nev.,  
Parker, Phoenix,  
Hoholidge Dam,  
Flagstaff, Ariz.  
Grand Canyon  
and  
Glen Canyon.



...It's O.K., no pork.



Rio, Colorado

# AMERICAN SOCIETY OF RANGE MANAGEMENT



1955 National Meeting American Society of Range Management  
USAC Alumni Banquet, San Jose, California



The American Society of Range Management Depository  
Library is located on the Utah State Campus





1954 American Society of Range Management Field Meeting  
at the Charlie Redd Ranch



Department of Range  
Management staff member  
assigned to the College  
of Southern Utah at  
Cedar City, Utah.

MAX ROBINSON, Professor of  
Range Management.

## ALLIS-CHALMERS EQUIPMENT from forest to lumber yard

Here's how advanced design Allis-Chalmers equipment helps to mechanize nearly every phase of lumber production.



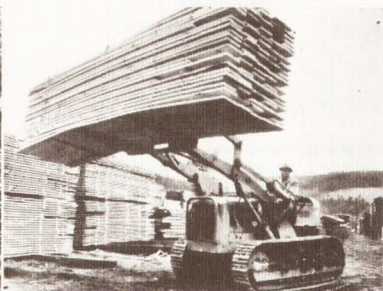
Putting the "Show" on the Road



At the Mill



On the First Leg of the Journey



In the Lumber Yard

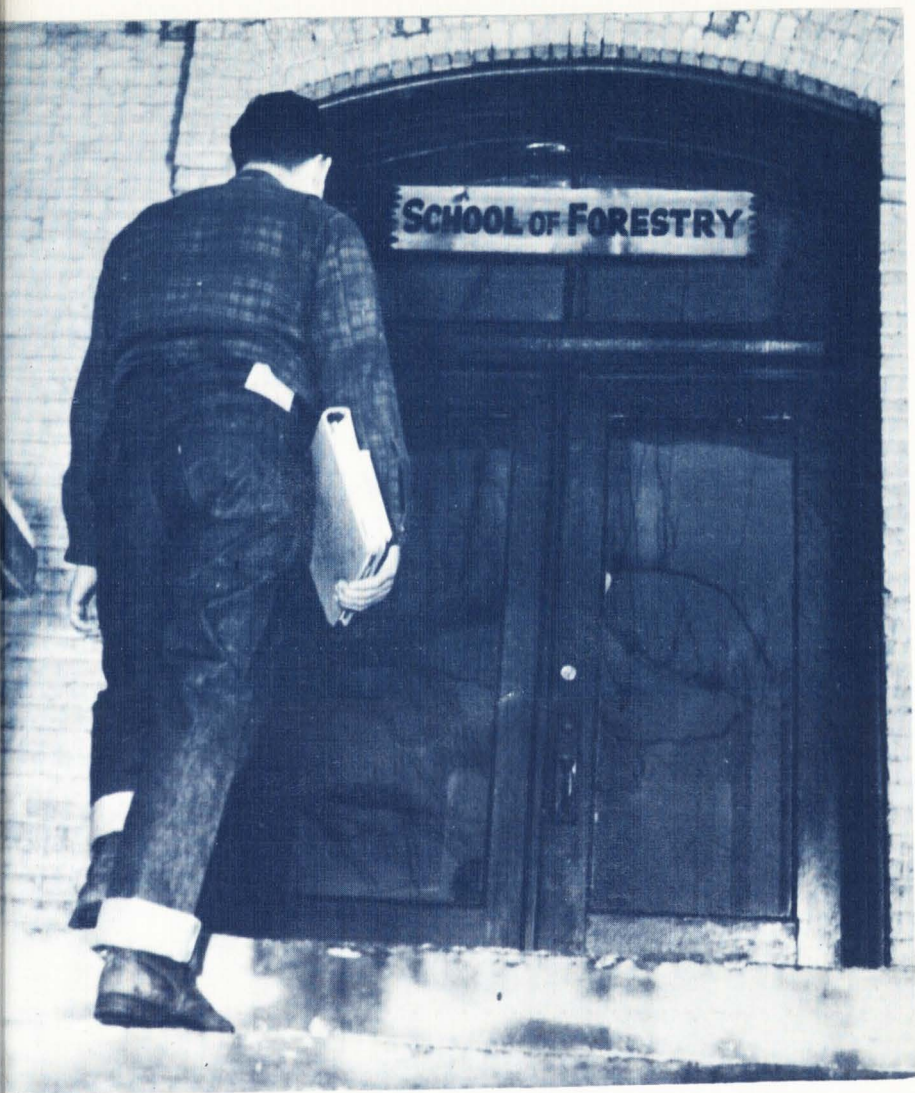


At the Landing

Allis-Chalmers logging equipment includes four powerful crawler tractors, 50 to 175 hp; three tandem drive motor graders, 50 to 104 hp; matched Allied equipment such as bulldozers, winches, Tractor Shovels, arches, lift tongs.

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TRACTOR DIVISION • MILWAUKEE 1, U. S. A.





THE CAMPUS

.....

IN THE FIELD

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**wildlife  
department**



# faculty



A. W. Stokes

Small Game Management

WILLIAM F. SIGLER

Department Head  
Fisheries Management



George H. Kelker

Big Game Management





JESSOP B. LOW

Utah Cooperative  
Research Unit

O. B. COPE

Rocky Mountain  
Fishery Investigation



O. P. BALL

Rocky Mountain  
Fishery Investigation



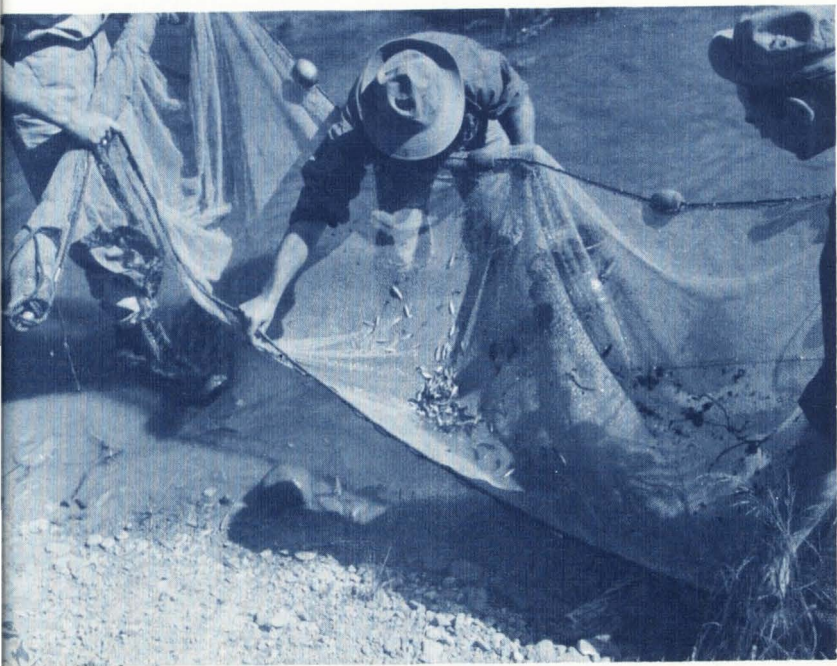
MARTIN LAAKSO

Rocky Mountain  
Fishery Investigation





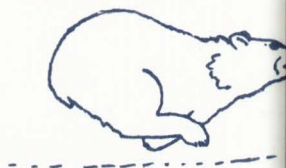
# experience



# students

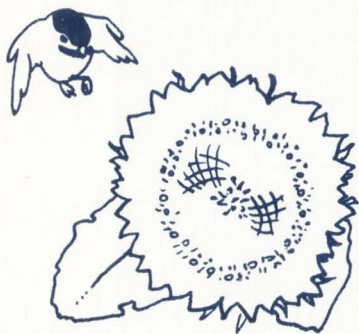


JIMMIE GABETTAS  
Idaho  
Waterfowl

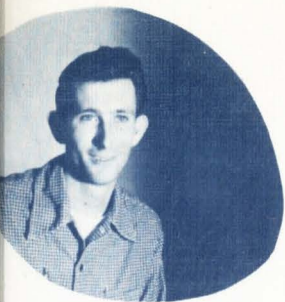


TED BJORNN  
Utah  
Fisheries

EUGENE STROOPS  
Nebraska







BOB JOHNSON  
California  
Big Game



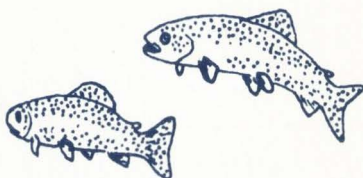
JIM BARTONEK  
Utah  
Waterfowl

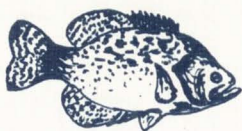


JACK WALSTROM  
Nebraska  
Small Game



DICK HENSEL  
Pennsylvania  
Small Game





VIC HALL  
Nebraska



JERRY MARTIN  
Kansas  
Fisheries



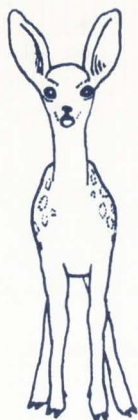
PAUL APPLEGATE  
Utah  
Big Game



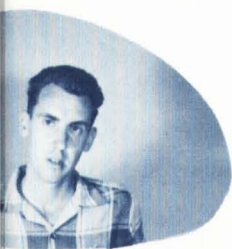
GERALD WEAST  
Idaho  
Small Game



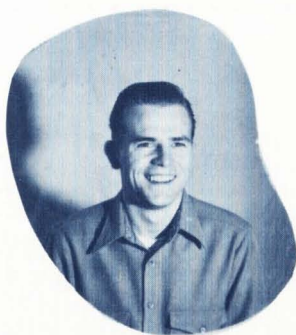




BILL FISHBAUGH  
Iowa  
Small Game

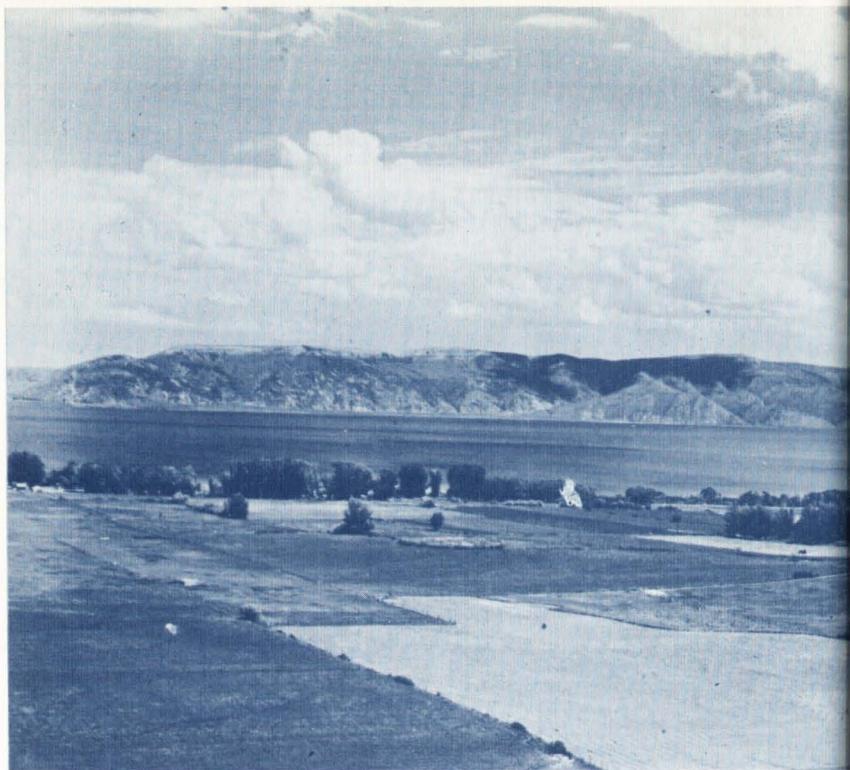


HEARING  
ois



DON PENDELTON  
Utah





*Bear Lake ... fish studies*

## **JACK ANDERSON'S CHEVRON STATION**

398 North Main

Phone 1268



## **COCA-COLA BOTTLE Co. OF LOGAN**

74 West 1st North

Pho



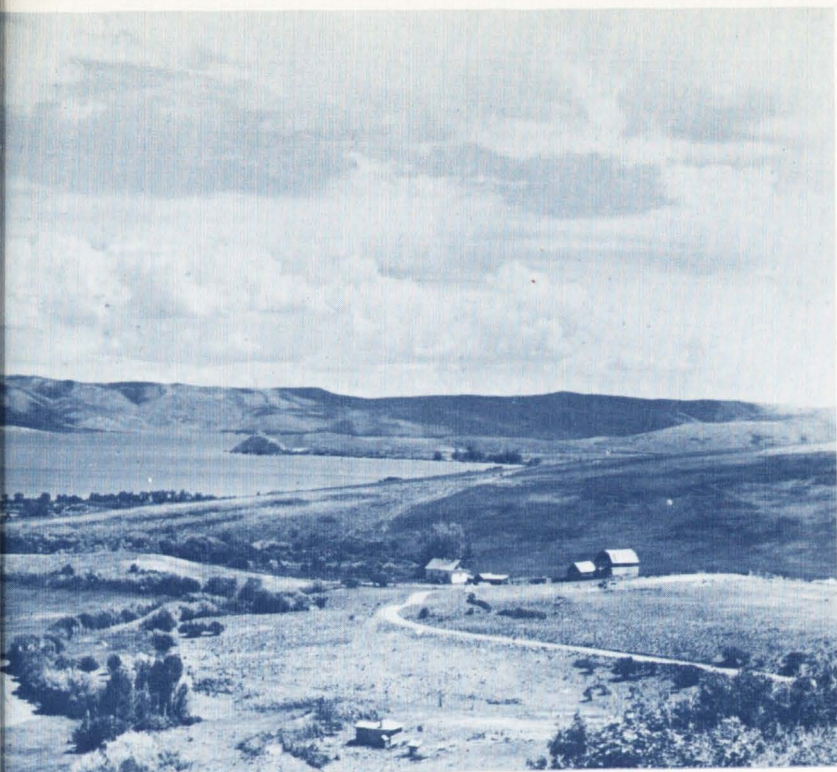


PHOTO BY USAC. PHOTO DEPARTMENT

*and recreation area*



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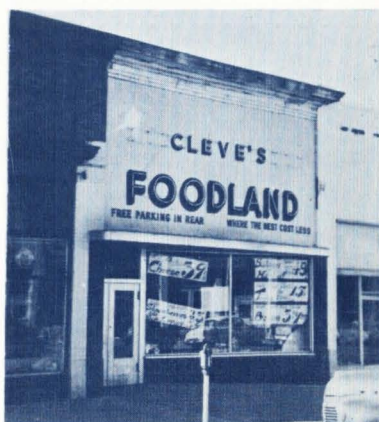
## CLEVE'S FOODLAND

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# *Wintering Elk at*

## **CACHE WILDLIFE COORDINATING COMMITTEE**

Composed of Representatives from the Following  
Wildlife Federations

AMALGA

BENSON

HYRUM

LOGAN

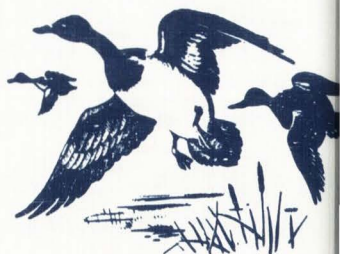
MENDON

NEWTON

RICHMOND

SMITHFIELD

WELLSVILLE







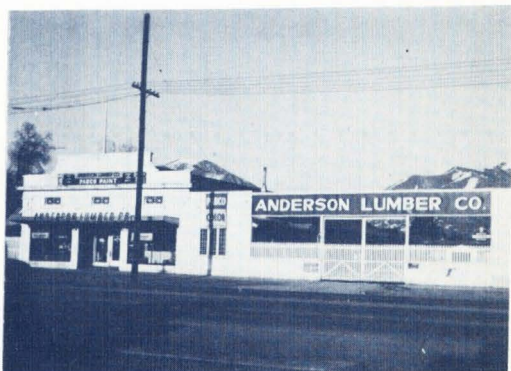
## *Hardware Ranch*

### **ERIOR CLEANERS**

-up & Delivery Service

t 1st North

Phone 262



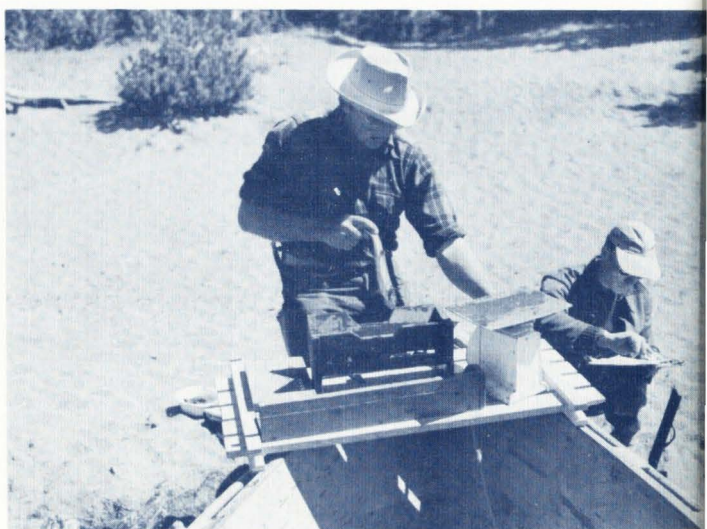
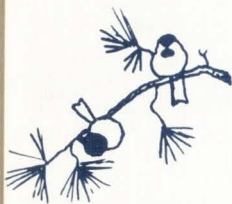
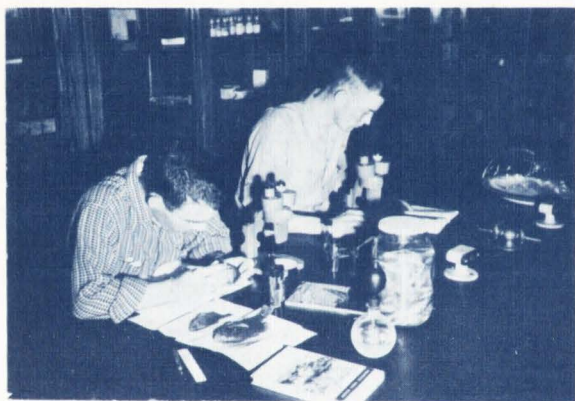
### **ANDERSON LUMBER Co.**

Complete Building Service

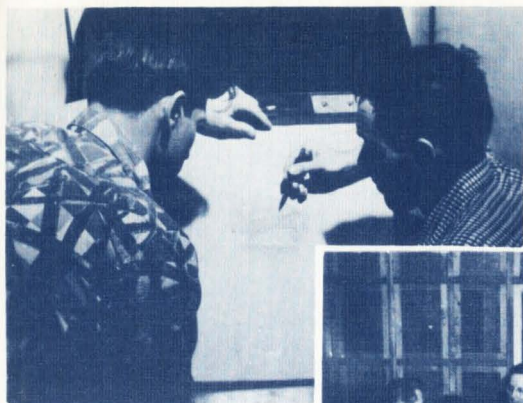
258 South Main

Phone 82

# activities







# GRADUATE PROGRAM



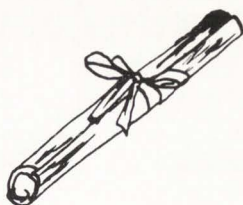
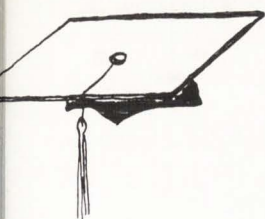
Dr. J.S. Williams  
Dean of Graduate School

Dr. L. A. Stoddart  
Head of Range Dept.

Dr. W. F. Sigler  
Head of Wildlife Dept.

At the present time the School of Forestry ranks 5th in the nation for the size of the graduate student enrollment.





# GRADUATE STUDENTS

*In sober reflection a candidates  
self-appraisal reads -----*

"I do not know what I may appear to the world; but  
to myself I seem to have been only like a boy playing on  
the seashore, and diverting myself in now and then find-  
ing a smoother pebble or a prettier shell than ordinary,  
whilst the great ocean of truth lay all undiscovered be-  
fore me."---Newton.

*However, now is the time to seek  
adventure in this oceanic domain, for --*

"There is a tide in the affairs of men  
Which taken at the flood leads on to fortune;  
Omitted, all the voyage of their life  
Is bound in shallows and in miseries.  
On such a full sea are we now afloat,  
And we must take the current when it serves,  
Or lose our venturer."---Shakespeare.

# M.S. CANDIDATES

TRENCH BONES  
B.S. from U.S.A.C.  
Forestry  
"Forest Management"



REED CHRISTENSEN  
B.S. from U.S.A.C.  
Forestry  
"Forest Administration"

WILLIAM CLARK  
B.S. from U.S.A.C.  
Wildlife  
"Plankton studies of Bear Lake"



WILLIAM COGHILL  
B.S. from Carleton College  
Forestry  
"Forest Management"

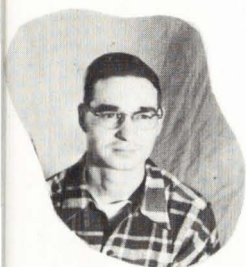
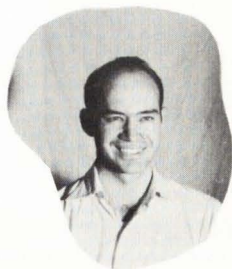


GEORGE ENYEART  
B.S. from Washington State College  
Wildlife  
"Effect of range reseeding on  
Grouse"



ROBERT FERGUSON  
B.S. from Univ. of W. Virginia  
Wildlife  
"Evaluation of deer pellet censuses"

ED GOMM  
B.S. from U.S.A.C.  
Wildlife  
"Nutrition of range forage plants"

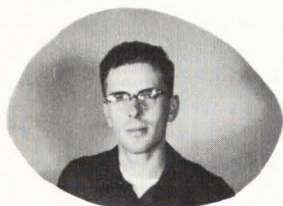
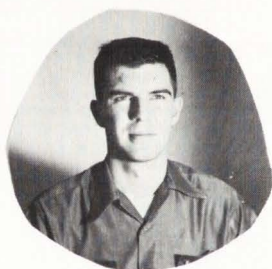


ROBERT HAGY  
B.S. from Washington State College  
Wildlife  
"Salmon migration study"



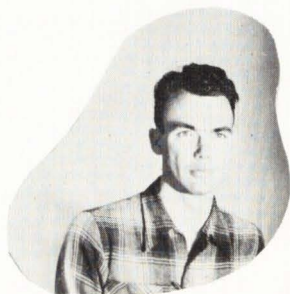
DON HALES  
B.S. from Univ. of Utah  
Wildlife  
"Evaluation of stream bottom  
sampling"

DON JENNI  
B.S. from Oregon State College  
Wildlife  
"Waterfowl productivity"



HOWARD LIEBERMAN  
B.S. from Idaho State College  
Wildlife  
"Evaluation of fish poisons"

RUSSELL LLOYD  
B.S. from Idaho State College  
Range  
"Nutrition of range forage plants"







BOYD MARTIN  
B.S. from U.S.A.C  
Wildlife  
"Game Management"

ACK MILLS  
.S. from Univ. of British Columbia  
ange  
Nutrition of range forage plants"



VALLOBH NARABOLLOBH  
B.S.F. from Univ. of Philippines  
Forestry  
"Forest Management"

HIL OGDEN  
.S. from U.S.A.C.  
ange  
Range reseeding and  
ehabilitation"



TEMP REYNOLDS

B.S. from Penn. State College  
Wildlife

"Effect of hunting season length  
on pheasant population"



ZIAEDIN ROSHDEIH

Studied Forestry in Iran  
Forestry

"Forest Management"

DAVE SCHLEY

B.S. from Rupin Institute  
Range

"Range Management"



JON SKOVLIN

B.S. from Oregon State College  
Range

"Range Management"



ROBERT SMITH  
 B.S. from Alabama Polytechnic  
 Institute  
 Wildlife  
 "Waterfowl behavior"



EARL SPARKS  
 B.S. from U.S.A.C.  
 Wildlife  
 "Nutrition and hatchability  
 of chukars"

AROLD SUTTER  
 B.S. from Hochschule fur Bodenkultur  
 Forestry  
 "Forest Management"



STANFORD YOUNG  
 B.S. from Univ. of Utah  
 Wildlife  
 "Big game exclosure evaluation"

*Learning without wisdom is a load of books  
 on an ass's back.*

# Ph.D. CANDIDATES

KENNETH L. DIEM  
B.S. from Lawrence College  
M.S. from U.S.A.C.  
"Waterfowl census technique  
evaluation"



JAMES FRANKS  
B.S. from Fort Hayes State College  
M.S. from Fort Hayes State College  
"Deer-livestock competition"

DILLARD GATES  
B.S. from Univ. of Nebraska  
M.S. from Univ. of Nebraska  
"Ecology of range forage plants"



ALVIN C. HULL  
B.S. from U.S.A.C.  
M.S. from Brigham Young Univ.  
"Range Management"



FLOYD KINSINGER

B.S. from Fort Hayes State College

M.S. from Fort Hayes State College

"Physiology of clipped crested  
cheatgrass"



FANT MARTIN

B.S. from Univ. of Kentucky

M.S. from Univ. of Kentucky

"Waterfowl Management"

EARL SMART

B.S. from Univ. of Utah

M.S. from Univ. of Utah

"Ecology of lake bottom fauna"



DWIGHT SMITH \*

B.S. from Univ. of Idaho

M.S. from Univ. of Idaho

"Ecology of Rocky Mountain  
Bighorn Sheep"

*\* Received Honorable Mention  
for one of the outstanding  
Wildlife publications of 1959.*

GRADUATE STUDENTS NOT PICTURED

DALE JENSEN

B.S. from Idaho State College

Wildlife

"Game Management"

KARL KUHLMAN

B.S. from S. Dakota State

Wildlife

"Deer management research

South Dakota"

DONALD SMITH

B.S. from U.S.A.C.

Wildlife

"Waterfowl botulism"

KENNETH WOLF

B.S. from U.S.A.C.

M.S. from U.S.A.C.

"Fish pathology studies"



*As we are now so arrayed it is time  
to recall ....*

"The rung of a ladder was never meant to rest upon,  
but only to hold a man's foot long enough to enable him  
to put the other somewhat higher." --- Huxley



# GRADUATE STUDENT PROJECTS

*Many investigations are currently being conducted by graduate students enrolled in the School of Forestry. A sample of the variety of these studies is presented on the following pages.*

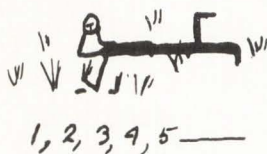


The application of aerial photographs to planning of recreational areas in Logan Canyon is being studied. Each specific category of recreational development such as picnic areas, organizational sites, home sites, scenic strips, winter sports areas, trail layouts and camp sites are drafted up directly upon the large scale photograph. The plan is

taken into the field and located on the ground by the table mapping procedure.  
Investigator: Reed Christensen



Fecal bags and urinals shown on the wether sheep have been used in the digestion experiments on range forage plants. From data collected, a comparison of the nutritive content of the plants grazed, and the nutritive requirements of the sheep indicates the deficiency or adequacy to supply ample nutrition. Investigators: Fred Gomm, Jack Mills, and Russell Lloyd  
Cooperating Agency: Utah State Agricultural Experiment Station







area claimed and defended by breeding waterfowl pairs referred to as the breeding territory, illustrated with coot chasing the cinnamon teal. The number of territories which can be established and defended may have a definite effect on the productivity of waterfowl.

Investigator: Robert Smith

Operating Agencies: Utah Fish and Game Dept., Utah Cooperative Wildlife Research Unit



*man! that'll really  
confuse 'em.*

brush and juniper eradication, seeding methods, emergence, survival, production, and rabbit damage studies are being conducted as part of investigation of introduced wheatgrasses pasture land and abandoned farm lands. The adjacent bit enclosure is in a tall wheatgrass pasture.

Investigator: Phil Ogden

Operating Agency: Utah State Agricultural Experiment Station

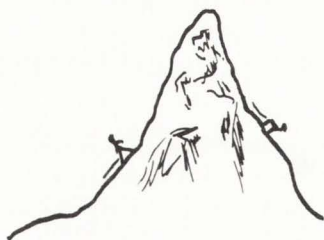


PHOTO by IDAHO FISH and GAME

The bighorn sheep in the above photo were observed during a bighorn sheep investigation in Idaho. The project gathered information related to the life habits and requirements of bighorn sheep as well as studying and analyzing the factors affecting their productivity. It also attempted to make accurate censuses as a basis for bighorn management.

Investigator: Dwight Smith

Supporting Agency: Idaho Fish and Game Department



During this study a survey of existing functional big game and livestock exclosures was conducted to analyze the effects of livestock and big game grazing on the ranges of Utah. In the adjacent photo the deer exclosure located on a heavily populated deer range illustrates excessive increases of grazing pressure on the range forage.

Investigator: Stan Young

Cooperating Agencies: Utah Fish and Game Department, and  
Utah Cooperative Wildlife Research Unit

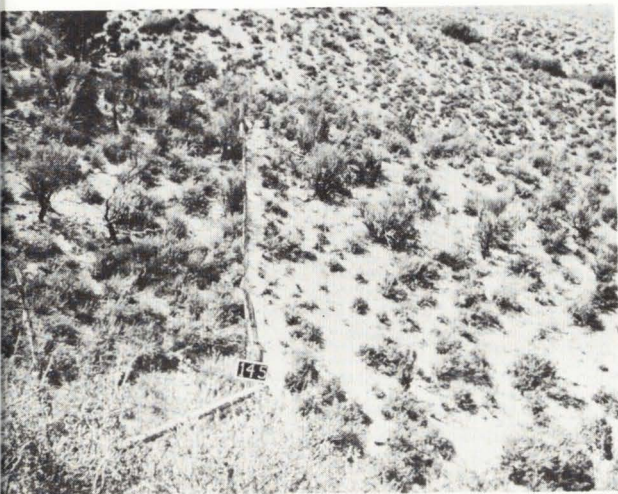




trench exposing the soil profile of a shadscale-saltbush  
 rn is part of a study to determine why winter range  
 ts are confined to local areas and what role soil, water,  
 nity, and livestock utilization play in these plant  
 ributions.

stigator: Dillard Gates

erating Agencies: U.S. Bureau of Land Management, and  
 Utah State Agricultural Experiment Station



*Which one has  
 the Toni ??*



The above figure illustrates part of the work done in connection with a study of the effects of clipping of various intensities and frequencies during different seasons on the chemical constituents of crested wheatgrass roots with primary interest in the reserve carbohydrates.

Investigator: Floyd Kinsinger

Cooperating Agency: Utah State Agricultural Experiment Station



The above photo illustrates part of the work conducted in a study of the most feasible treatments of botulism in waterfowl. The per cent recovery and cost-per-bird were combined to derive a statistical analysis of the problem.

Investigator: Donald Smith

Cooperating Agency: Utah Fish and Game Department



# FORESTRY CLUB



Darrell Hoffman, Eugene Reutz, Ken Burkert, David Franks,  
Intramurals Refreshments Publicity Student Council

Bob Buffington, Jim Bartonek, Dick Hensel, Frank Elder.  
Vice Pres. President Treasurer Secretary

## CHIPS



David Franks - editor  
Tom Krusko,  
David Mackett, Vic Hall,  
Dr. A. W. Stokes, Henry  
Lee, Wayne Long, Clarence  
Pratt.



# FALL



Fall Barbeque  
 . . . food for  
 270 people

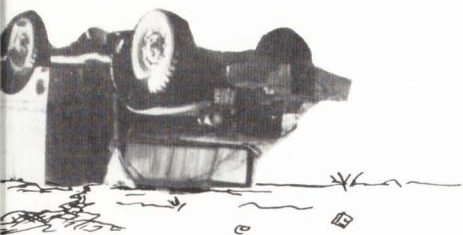


Homecoming Float  
 . . . honorable mention





Game Night  
 . . . in the  
 Student Union



Christmas Tree Project  
 . . . never quite got  
 to the trees

Christmas Dance  
 . . . in the  
 Student Union



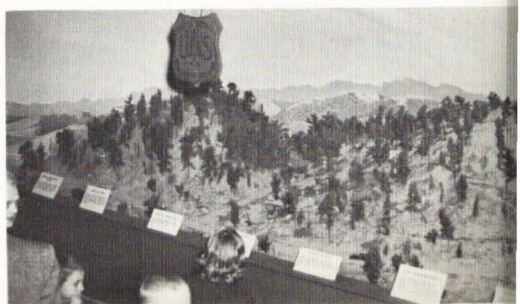


# WINTER

Stag Party  
 . . . Wow! what  
 party.



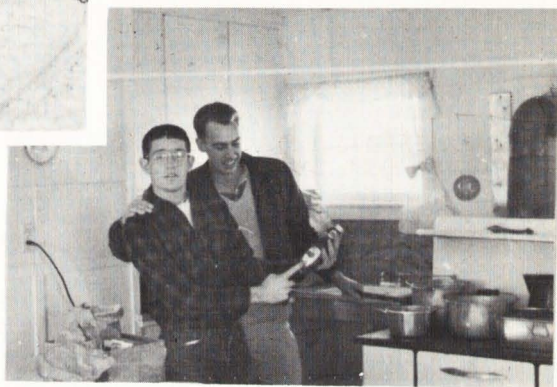
Trip To Ogden  
 . . . 50th. Anniversary  
 of the U.S. Forest Service







Hardware Ranch  
Trip



The Dean's Party  
. . . The "old man"  
returns.

Gym Night



# INTRAMURALS



.. at the moment we're  
way ahead on total  
points ... so it should  
be another trophy



Volley ball - we beat 'em all



Water basketball  
we took second





# SNOW CARNIVAL



now  
Sculpture  
again we took  
second



# SPRING



Who entered this?

Linda Welch -  
Daughter of Paul  
(on the right)



Queen Contestants

Marilyn Cole    Julia Campbell    Marilyn Ross  
Mary Martin    Linda Welch    Sharon Hogge



# CONSERVATION WEEK



Governor  
Lee proclaims  
Conservation  
Week . . .

Beard judging . . .  
Mike Doran -  
"Son of Davy  
Crockett"



Brown Jug Party  
The lower classmen  
won the hootch



# FORESTER'S WEEK ...

*During our assembly ....*



Alas... Paul went up in smoke  
...but so did the Dean of  
Engineering ... after a good  
water dousing at the hands  
of the boys from forestry  
...the week was off  
to a hot start  
they never recovered



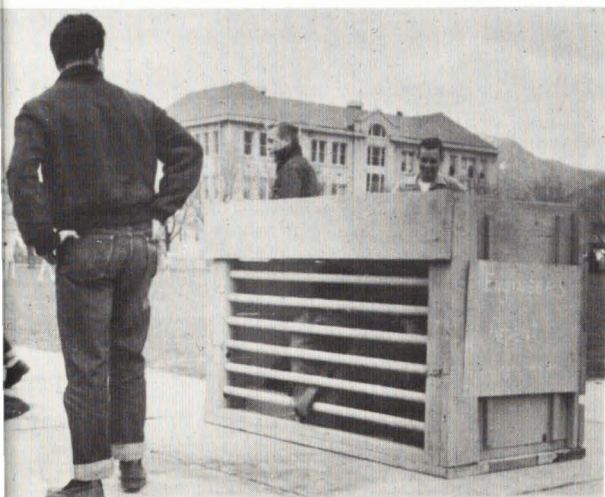


# RIVALRY REVIVED



One engineer  
... captured

.... clipped



... caged



. and the whole raboodle chagrined



## HEADLESS AXE

Dick Hensel...for an accumulation of accomplishments.



## SON OF PAUL

Jim Bartonek...tops scholastically and ram rod for every activity undertaken.





Where Photographic Dreams Come True  
**Max Brunson Studio**

NORTH MAIN

PHONE 743

*It was a most exciting week ... the capture by the engineers ... out a window and back to the foresters ... a police escort to the Billy May Dance ....*

LINDA WELCH ... our charming and talented...

**DAUGHTER OF PAUL**



The Forest -  
Conservation Award  
presented to  
James Blassard  
by  
Ron Wardliegh

The Range -  
Top Rancher  
Award presented  
to  
William Young  
by  
Bob Buffington



The Wildlife -  
Bridger Award  
presented to  
Dr. D. I. Rasmusse  
by  
Ted Bjorn





DEWITT NELSON

Director of the Department of Natural Resources  
State of California

"The young men from Utah State will be entering many fields of endeavor. . . . In whatever field you choose, employers will be looking for men with qualities of leadership. Inherent in these qualities there are five abilities - to be able to get along with people, to express ones ideas clearly and effectively, to have the courage of ones convictions and the courage to change these convictions if proven wrong, to broaden ones horizon and to adhere to ones ideals.

To each and every one of you I wish a full measure of success."

# HONOR FRATERNITIES



Alpa Zeta . . . . . honorary Agricultural fraternity



Xi Sigma Pi . . . . . honorary Forestry fraternity



# FORESTRY WIVES CLUB



Club meeting at Mrs. Turner's



Wives Club game meeting

# SPAGHETTI SUPPER



The Dean furnished the music



Beauty and the beasts

OH---Alouette!







e spaghetti supper younger set

st one more picture ...



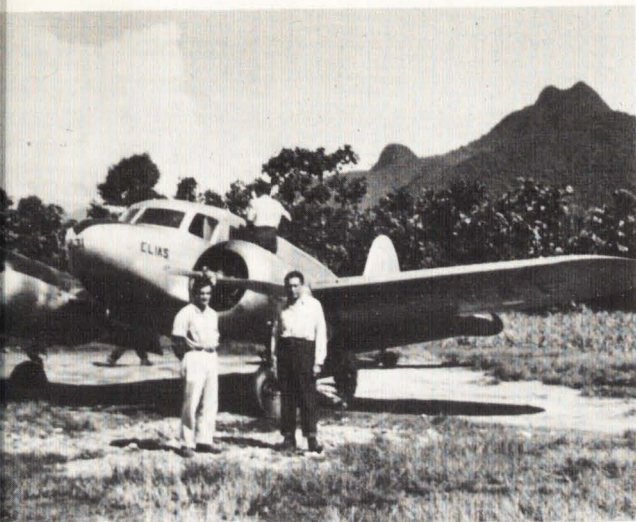
# ALUMNI



*On the job... throughout the world, our graduates are contributing to the esteem of their profession...*



# FORESTRY



## FOREIGN FORESTER

Jose L. Prato  
Peru, South America

"...taken last year while on a survey flight over 40,000 acres of timber land in the Tingo Maria area. Professional activities have included 2½ years in Tingo Maria working in the logging and lumbering of tropical woods."



## PRIVATE and INDUSTRIAL FORESTER

John M Crowl  
Executive Director  
of the Kentucky  
Reclamation  
Association

"This association is composed of 22 leading coal companies in Kentucky. Most of their mining is done by the open pit method. This leaves hundreds of acres yearly to be reclaimed."



## FOREST RESEARCH

John Wikstrom  
Division of Forest Economics,  
Intermountain Forest and Range  
Experiment Station, Ogden, Utah

"...work consists of forest survey and economic study assignments."



## FOREST ADMINISTRATION

W. L. Hansen  
Asst. Regional Forester,  
Division of Watershed Management  
and Information,  
Southwestern Region,  
U. S. Forest Service

"We are pretty busy getting prospective projects lined up under the Flood Prevention and Watershed Protection Bill passed by the last session of Congress. We have two projects going under the Small Watershed Pilot Project and hope in the near future to get a couple of new ones under the recent legislation. We fellows in Watershed Management really enjoy having a few dollars to spend on a rehabilitation program."

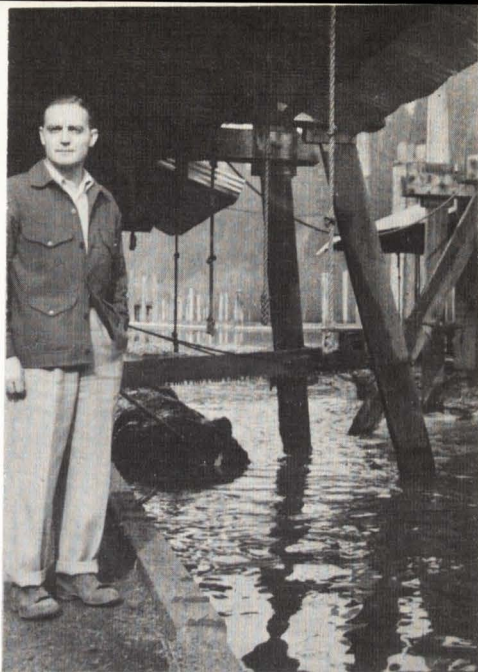


## INDUSTRY

Ralph G. DeMoisy  
General Manager  
Mapleton Division  
U. S. Plywood Corporation

"The Mapleton Division is a completely integrated forest products unit, including plywood refuse chippers, and the forest resources behind them to make a perpetual operation.

The picture was taken at our pond saw operation on the Siu-slaw River,..... In this operation we buck peeler logs into blocks and buck peeler blocks out of parts of low grade saw-logs."



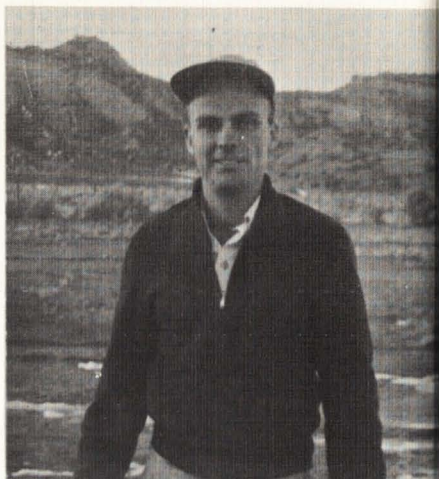
## RECREATION

Rhodell E. Owens  
Director of Parks  
Pleasure Driveway and Park District  
Peoria, Illinois

ty duties include the general management of all functions normally falling within such an organization, such as planning, construction and maintenance. We are presently in the midst of constructing a new Zoo."

INDIAN SERVICE  
TIMBER MANAGEMENT

Donald K. Hayter  
Dulce, New Mexico



"I was hired specifically to aid in the sale of timber which the Indians here have, so my work is pretty standard forest work - cruising, marking, scaling and the inevitable office work. We currently have 18,000 M feet of Ponderosa Pine with a little Douglas fir and white fir which is up for sale."



FIRE PROTECTION

Paul F. Madden, Jr.  
Fire Control Assistant  
Mad River District  
Six Rivers National Forest  
California

".....fire-prevention, presuppression and suppression are the main tasks of the position. However, the fact that there are only two year-round professional employees on the district, a ranger and myself, timber sale preparation, grazing administration, etc. all take up about as much time as the fire load."





#### EDUCATION

Victor J. Rudolph  
Assistant Professor of For-  
estry  
Michigan State College

"Teaching courses in the field of forest management, and devoting one-third of my time to forest management research. In the process of writing a textbook on Forest Management."

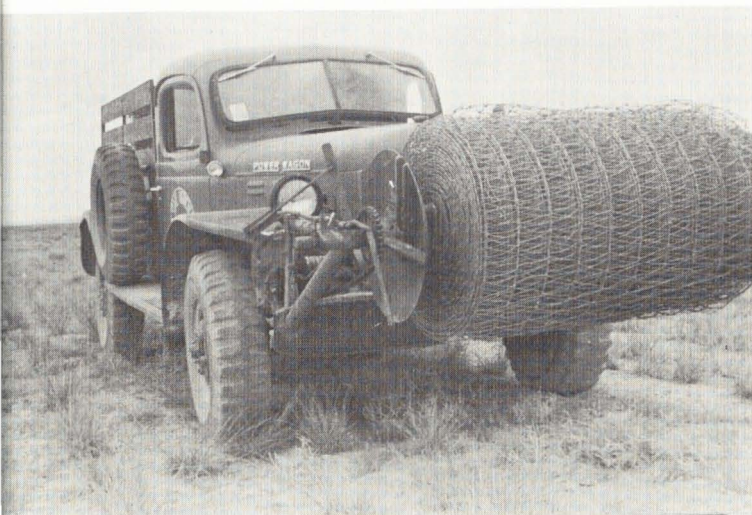
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# RANGE



## FOREIGN ASSIGNMENT

John R. Killough  
Head, Range Management  
Forestry and Fisheries  
U. S. Operations Mission to  
Israel

".....instructing settlement members on run-off water control in the Wadi bottoms."

"During the course of work here, I have attended numerous meetings in Turkey, Lebanon, Cyprus and Egypt and have become somewhat acquainted with Mediterranean grassland problems. Within the country of Israel I work directly with the Ministry of Agriculture and its various divisions including the Divisions of Livestock, Soil Conservation, Fisheries and Lands."

## SOIL CONSERVATION SERVICE

Howard B. Passey  
Range Conservationist  
Prescott, Arizona



"Principal duties include personnel training in range conservation, assisting ranchers to plan and apply "Grass Management" on their private and state leased ranges and in assisting Soil Conservation District Supervisors initiate and carry out range forage improvement programs."



## S. FOREST SERVICE

Ello Julander  
Timber Management  
Flagstaff, Arizona

"My work here has been mainly in Timber Mgt. (scaling and marking) with a lot of time along with it. So far we have had very little range.

I would say the future lies in the small watershed projects which are forth coming because of the present legislation."



## PRIVATE RANCHER

Steven B. Ellis  
Owner and Operator of a Farm  
and Ranch  
Burley, Idaho

"The farm consists of 80 acres of irrigated land."

"The ranch includes one range band of crossbred ewes and 100 head of Aberdeen Angus cattle with ample private, State, Forest, and Taylor Grazing lands to furnish forage during the grazing season. I have reseeded 2600 acres of private land to tested wheat-grass for spring and fall grazing."

## INDIAN SERVICE

Paul L. Howard  
Range Conservationist  
Uintah and Ouray  
Indian Agency  
Fort Duchesne, Utah

"Been at U. and O. 3 years, in charge of forestry and wildlife in addition to grazing matters. Enjoy the Indian Service. Never a dull moment."



## PRIVATE CONSULTANTS

Marcellus Palmer  
Real Estate Services  
Salt Lake City,  
Utah

"This photo represents a group of sheepmen from

Southern Idaho and Northern Utah who range during the winter together. I am Secretary of this Association as well as Consultant and adviser."

"The livestock business is a full time job and certain functions cannot be left on a minute's notice; therefore, the stockman finds a place for the services of a consultant to timely take care of those details that are of a technical nature."





## AGRICULTURAL STABILIZATION and CONSERVATION

Robert Acil Roundy  
Farmer - Fieldman  
(Administrative Assistant)  
Richfield, Utah

"My duties consist of training personnel and the administration of various farm programs, under the ASC, in 10 counties in Utah. (Southern part of the state) This includes conservation and range management practices, as well as, the wheat marketing program, the sugar program, grain loan program, storage facility loan program and other programs as assigned."

## RANCH OPERATING SERVICE

Francis T. Colbert  
Western Farm Management  
Company  
Phoenix, Arizona



"Our primary services include farm and ranch management, consultation, investment counseling, and appraising."

## ADMINISTRATION

Edward P. Cliff  
Asst. Chief  
U. S. Forest Service  
Washington, D.C.



"Since February, 1952, Mr. Edward P. Cliff has been Assistant Chief, Forest Service in charge of National Forest Administration stationed in Washington, D. C., and handles the watershed, timber, range, wildlife and recreation uses and the fire control activities on the national forest throughout the United States, Puerto Rico, and Alaska."



## EDUCATION

Stanley P. Gessel  
Assistant Professor  
Forest Soils  
College of Forestry  
University of Washington

"Teach forest soils, forest influences and range management in the College of Forestry. Research work in forest soils and factors affecting growth of trees."



# WILDLIFE



## EXTENSION WILDLIFE SPECIALIST

Eldon H. Smith  
Montana State College  
Bozeman, Montana

"This position entails adult education furthering the principles of sound game management, guiding club conservation activities, and acting as consultant to differing interests such as stockmen, sportsmen, and farmers to assist in formulating workable and acceptable game management procedures."

## PRIVATE CONSULTANT

Lucas M. Dargan  
Consulting Forester  
Charlottesville, S.C.



"Woodland management and timber sales for small landowners, mostly farmers comprise at least half my work. I also do timber cruising and marking, custom tree planting, and consulting work more or less regularly for a number of lumber companies, both large and small.

I do hope to give more attention to wildlife all along as we get the most urgent timber problems on each tract under control."



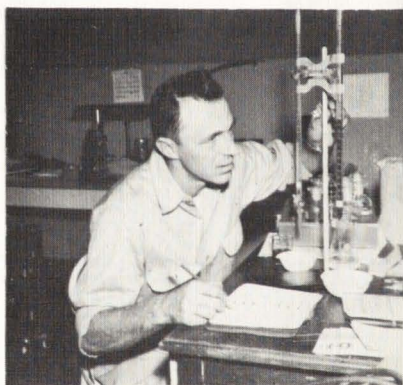
## HIGH SCHOOL TEACHER

Blair Low  
North Cache High School  
Richmond, Utah

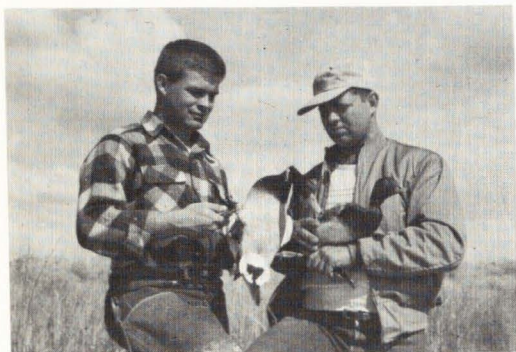
"Teaching biological sciences and coaching wrestling."

## FISHERY MANAGEMENT

Donald Andriano  
Area Fishery Biologist  
Department of Fish and Game  
State of Idaho



"Primary duties include fishery management investigations and stream development within the assigned area."



## CONSERVATION OFFICER

Milton Reeves  
U. S. Game Management  
Agent  
U. S. Fish and Wildlife  
Service  
Harlingen, Texas

".....I'm on the left placing a band on a mallard drake. Duties of U. S. Game Management Agents fall roughly into 3 categories: (1) law enforcement, (2) game management, and (3) public relations and associated activities."





## WILDLIFE ADMINISTRATOR

Samuel E. Jorgensen  
Assistant Regional Director  
Division of Technical Staff Ser-  
vice,  
U. S. Fish and Wildlife Service  
Region 3  
Minneapolis, Minnesota

"Needless to say I enjoy my work in fish and wildlife manage-ment very much. The Midwest is an interesting place to work. There are many capable adminis-trators and biologists working in the conservation field here. The outlook is for an integrated conservation program combining principally forestry with fish and wildlife management."

## GAME RESEARCH

Reuel G. Janson  
Project Leader  
Small Game and Furbearer  
Study  
South Dakota Dept. of Game  
Fish and Parks  
Pierre, South Dakota



"....photo taken last winter while trapping and transplanting wild Merri-ll's turkeys in the Black Hills of South Dakota. Job includes research and management activities pertaining to pheasants, prairie grouse, water-fowl and furbearers."



#### WILDLIFE WRITER

Charles K. Rawls, Jr.  
P.-R. Project Leader  
Tennessee State Game  
and Fish Commission  
Tiptonville, Tenn.

"As for present occupation, primarily research and development. For an avocation, I write for a number of the outdoor mags--Tennessee Conservationist, American Woodsman, Wildlife Digest, Southern Outdoorsman, The Fisherman, Field and Stream, and True, to name a few. Also combine photography with writing to make a package deal. Such deals keep beer and beans on my bachelor's table, but Lord help the woman who marries a wildlifer and expects a mink coat --she'll be lucky to have sackcloth."

#### PRIVATE OPERATOR

Thomas DeAlton Brown  
Brown's Mink Ranch  
Hyde Park, Utah



"The mating season for our 300 females in March starts a busy year for us and a good 4 average of kits in May we hope. Our ranch consists of Stewart Blue, Sapphire, Aleutian, and Pastel Mutation mink."



## CONSERVATION OFFICER

Charles R. Hayes  
Game Management Agent  
U.S. Fish and Wildlife Service  
Jackson, Mississippi



"General activities include...supervising and conducting the various surveys on Migratory birds...conducting work on the Canadian waterfowl breeding grounds each summer...have charge of patrolling and enforcing Federal regulations on 411 miles of the Mississippi River during the fall and winter, and contact sportsmen's organizations, farm groups, and individuals in the interest of establishing and maintaining good public relations."



## WILDLIFE ADMINISTRATOR

Everett R. Doman  
Assistant Chief  
Division of Wildlife  
Management  
U.S. Forest Service  
Washington, D.C.

"This photo was taken in Jackson, Wyoming last September before we moved to Washington.

In my present job I assist in directing Wildlife Management work on the National Forests."

## PREDATOR CONTROL

Clyde R. Madsen  
Asst. District Agent  
Predator and Rodent  
Control  
U.S. Fish and Wildlife  
Service  
Tucson, Arizona



"I now do my best to promote justifiable, economical, and effective control over the rodent and predator pests of this area....As you can see, my high position in my present work entitles me to single-handedly drive a gov't truck way out into the hinderlands, and get it stuck in the mud. This gives me an opportunity to get back to the grass roots, so to speak, and start all over from the bottom up."



## PUBLIC RELATIONS

LaVar A. Ware  
Asst. Supervisor of  
Public Relations and  
Education  
Utah State Fish and Game  
Department  
Salt Lake City, Utah

"My work includes touring the state lecturing to schools, civic and sportsmens groups, teaching conservation and trying to sell the policies of the Fish and Game Dept. to the public. My lectures are usually illustrated with colored movies. Another part of my job is to make these movies."





## FISHERY RESEARCH

Kenneth Wolf  
Staff Member  
U.S. Fish and Wildlife  
Microbiological Laboratory  
Charles Town, West Virginia

"...the staff is small but the labs are generously equipped. We have about everything we need in order to carry out the research - the identification and control of fish diseases. It is almost too good to be true, but over 90% of the time is spent in research and less than 10% in administrative duties."

## PREDATOR CONTROL

Alford O. Nelson, Jr.  
Asst. District Agent  
Predator and Rodent  
Control  
U.S. Fish and Wildlife  
Service  
Oklahoma City, Oklahoma



"This photo was taken while I was conducting a tour at grain storage elevator. My part was to point out rat infestations and the proper methods of control....Predators and rodents are numerous even in the highly populated areas. Public relations is, therefore, one of our important working tools. My work consists chiefly in supervision of the mammal control agents, setting up projects for predator and rodent control activities, and contact work with our cooperators."



#### TEACHER

Sherman Hansen  
Principal, Adams  
Elementary School  
Logan, Utah

"My Wildlife Management training has not been entirely without use, for in my work I daily come in contact with some 630 students and I assure you there is a great deal of life, wild and otherwise."

#### PREDATOR CONTROL

Clay E. Crawford  
Assistant District Agent  
Predator and Rodent Control  
U.S. Fish and Wildlife Service  
Pocatello, Idaho



"My present duties and scope of authority include the supervision of predator and rodent control work in Eastern Idaho. (thirteen Eastern Counties)."

#### GAME MANAGEMENT

Marcus Nelson  
Asst. Regional Wildlife Refuge Supervisor  
U.S. Fish and Wildlife Service  
Albuquerque, New Mexico

"We administer about twenty-one national wildlife refuges and game ranges scattered over the eight southwestern states. Our travels take us from northern Wyoming to southern Texas and from western Arizona to eastern Kansas."



... this section has shown a cross section of alumni represented by departments, years and present activities. The Juniper staff sincerely appreciates the cooperation of each individual featured on these pages...

---

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WORKSHOP NIGHT AT  
AL'S ARCHERY CLUB  
ROOM

THIS IS THE JUNIPER STAFF...



LARRY TAYLOR  
Forestry



JACK BILLS  
Activity

SECTION  
EDITORS



JERRY MARTIN  
Wildlife



KEN DIEM  
Graduate



RON YOUNGER  
Range



ART BRANDVICK  
Alumni



ROLLO BRUNSON  
Business Manager



KEN BURKERT  
and

TONY WILLIAMS  
Sketches



ROSS TOCHER  
Faculty Adviser



FRANK ELDER  
Photographer



PHIL OGDEN  
Editor

